TITLE: COMPOSITIONS AND METHODS FOR REGULATING APOPTOSIS INVENTOR NAME: Yigong Shi APPLICATION NO.:Not yet assigned DOCKET NO.: PU-0031 ATTORNEY NAME: Janet E. Reed PHONE NO.: (215)564-3100 SHEET 1 OF 14

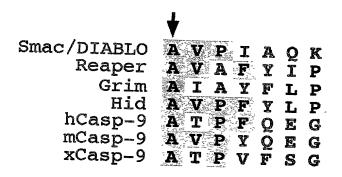


Fig. 1

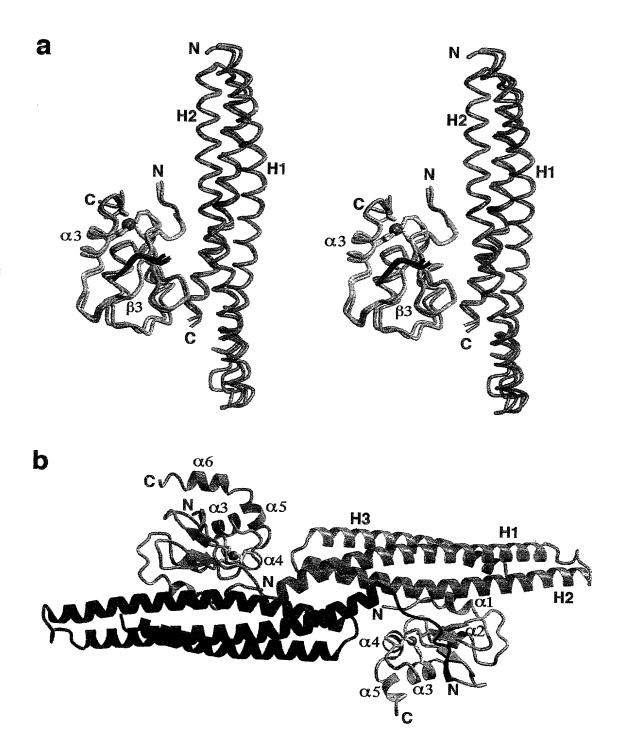
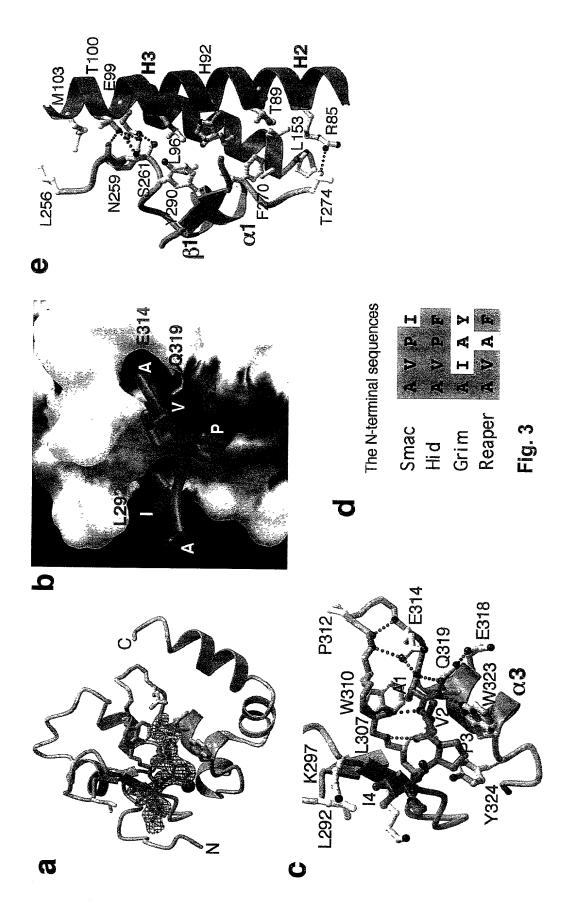


Fig. 2

TITLE: COMPOSITIONS AND METHODS FOR REGULATING APOPTOSIS INVENTOR NAME: Yigong Shi APPLICATION NO.:Not yet assigned DOCKET NO.: PU-0031 ATTORNEY NAME: Janet E. Reed PHONE NO.: (215)564-3100 SHEET 3 OF 14



ITILE. COMPOSITIONS AND METHODS FOR REGULATING APOPTOSIS INVENTOR NAME: Yigong Shi APPLICATION NO.:Not yet assigned DOCKET NO.: PU-0031 ATTORNEY NAME: Janet E. Reed PHONE NO.: (215)564-3100 SHEET 4 OF 14

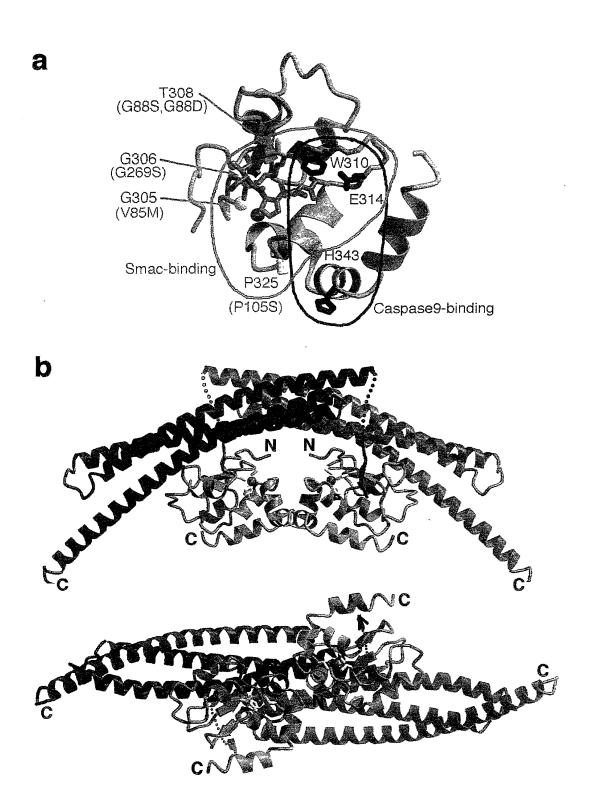


Fig. 4

ITILE: COMPOSITIONS AND METHODS FOR REGULATING APOPTOSIS INVENTOR NAME. Yigong Shi
APPLICATION NO :Not yet assigned
DOCKET NO.: PU-0031
ATTORNEY NAME: Janet E. Reed PHONE NO.: (215)564-3100
SHEET 5 OF 14

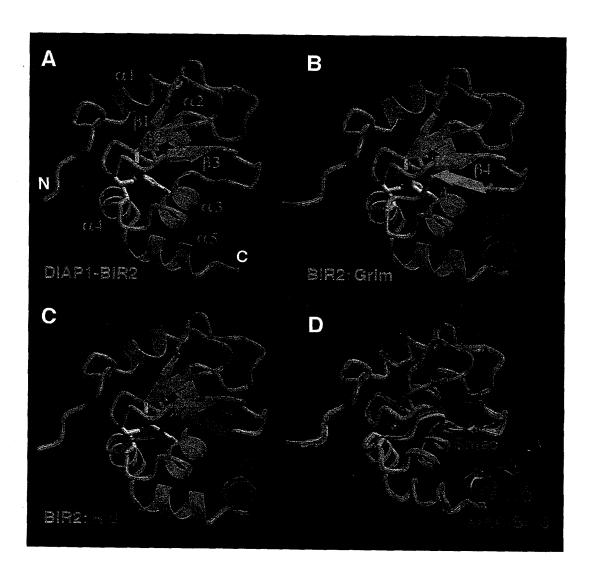
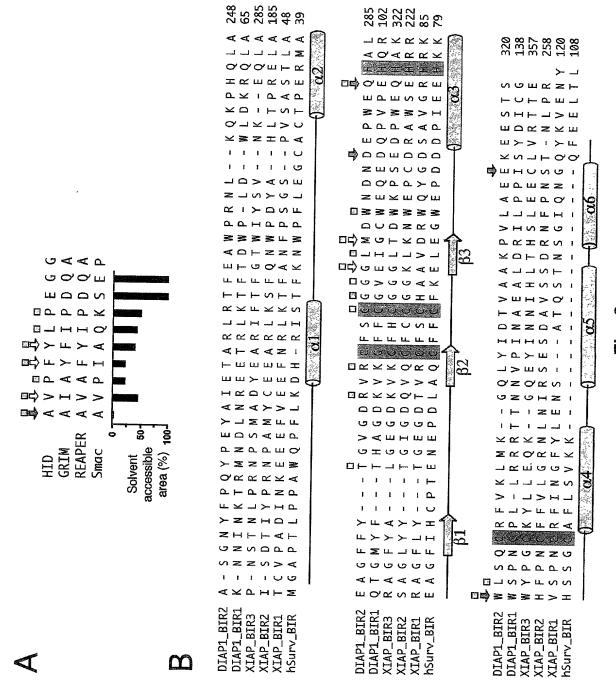


Fig. 5





1 2 2 3

TITLE: COMPOSITIONS AND METHODS FOR REGULATING APOPTOSIS INVENTOR NAME: Yigong Shi
APPLICATION NO. 'Not yet assigned
DOCKET NO.: PU-0031
ATTORNEY NAME. Janet E. Reed PHONE NO.. (215)564-3100
SHEET 7 OF 14

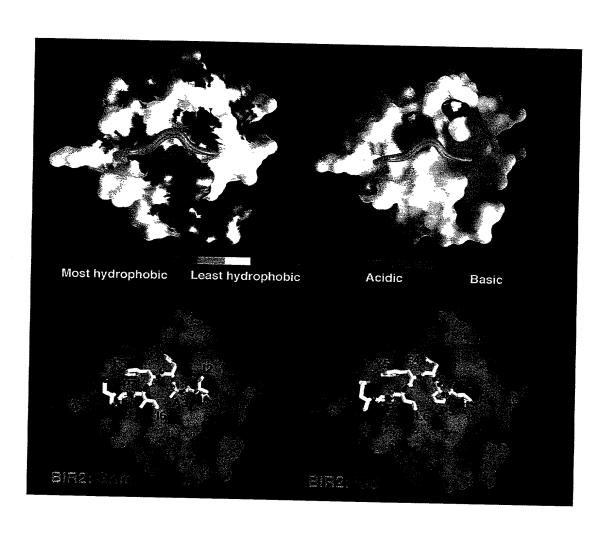


Fig. 7

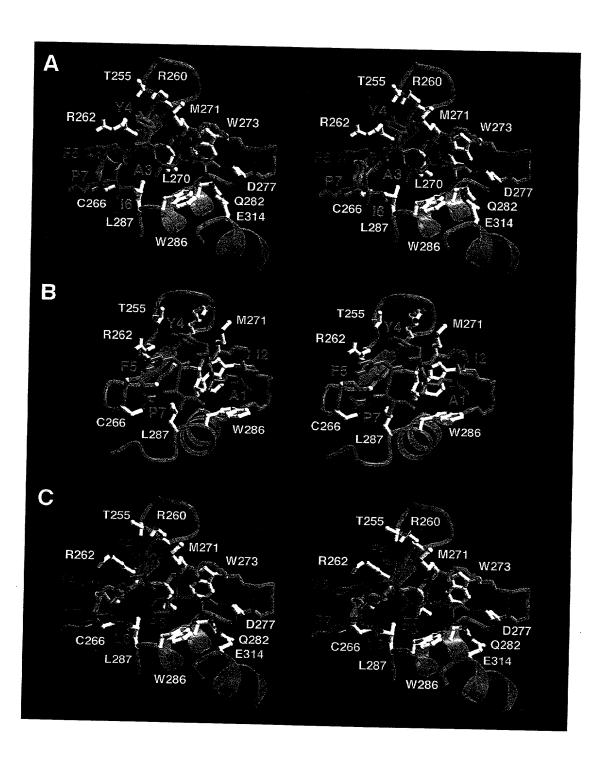


Fig. 8

111LE: COMPOSITIONS AND METHODS FOR REGULATING APOPTOSIS INVENTOR NAME: Yigong Shi APPLICATION NO.:Not yet assigned DOCKET NO.: PU-0031 ATTORNEY NAME: Janet E. Reed PHONE NO.: (215)564-3100 SHEET 9 OF 14

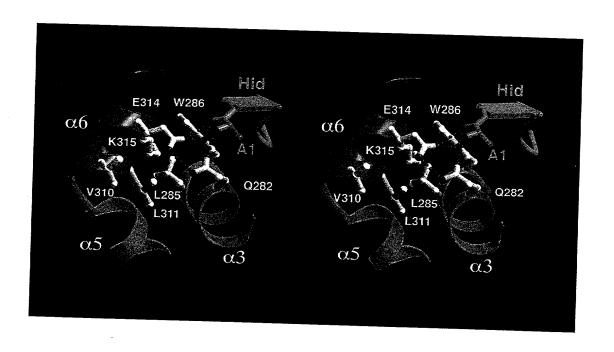
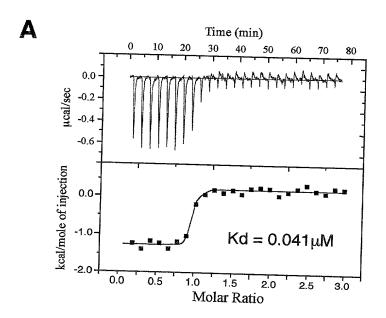


Fig. 9



B

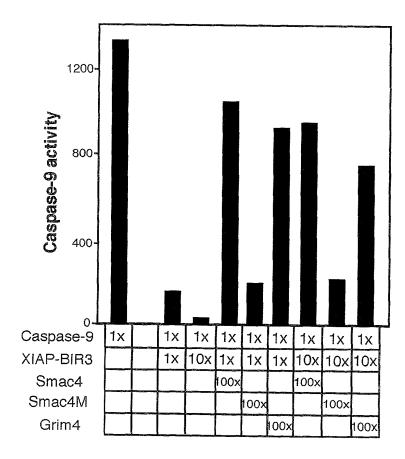
	Dissociation constants (μM)								
Peptide	DIAP1-BIR2	XIAP-BIR3							
Grim	0.24	12.6							
Hid	0.041	0.12							
Smac	n/a	0.55							
Casp-9	n/a	0.25							

Fig. 10

INVENTOR NAME: Yigong Shi APPLICATION NO.:Not yet assigned DOCKET NO.: PU-0031

ATTORNEY NAME: Janet E. Reed PHONE NO.: (215)564-3100

SHEET 11 OF 14



Peptide identity:

Smac4: AVPI Smac4M: MVPI Grim4: AIAY

Fig. 11

ITILE: COMPOSITIONS AND METHODS FOR REGULATING AFOR 10010 INVENTOR NAME: Yigong Shi
APPLICATION NO.:Not yet assigned
DOCKET NO.: PU-0031
ATTORNEY NAME: Janet E. Reed PHONE NO.: (215)564-3100
SHEET 12 OF 14

										+ X	IA	P	·	<del></del> .												1			
<b></b>		Smac	Smac-7R	1 .	AVI nac			AVPI Smac-4				AVPIA Smac-5				AVPIAQ Smac-6					AVOIAQK Smac-7								
XIAP		nМ	μM		μМ		L	μМ				Мщ			μМ				μМ										
×	+ XI	20	3000	9 0 0 0	300	1000 3000	30	100	300	1000 3000	30	100	300	1000	3000	30	100	300	000	3000	30	001	909	1000	3000				
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البغوي	2.	<b>Links</b>						Sec. 2		A.	-				À	صد.		-		-		*****			- Marie Co.			eave	

Fig. 12

a

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Smac: NH2-MTS AVPIA QKSEP......

Hid: NH2-M-AVPFY LPEGG.....

Reaper: NH2-M-AVAFY IPDQA.....

Grim: NH2-M-AIAYF IPDQA.....
```

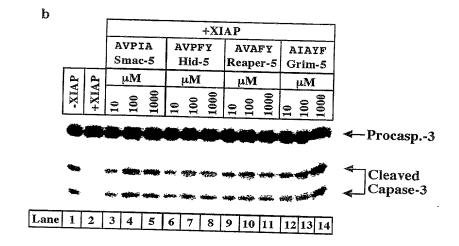


Fig. 13

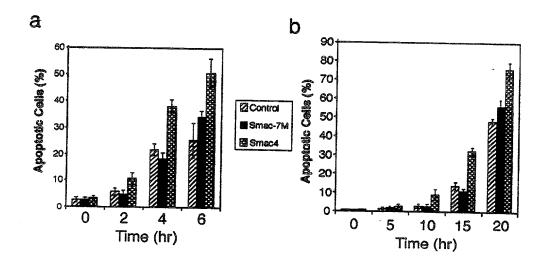


Fig. 14